### INTERNATIONAL SEARCH REPORT

Interional Application No PCT/BR2004/000190

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01S5/14

According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  $IPC \ 7 \quad G01S \quad H04B$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

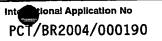
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 313 790 B2 (CHENG DAVID C ET AL) 6 November 2001 (2001-11-06)	1,14,22
Υ	column 3, line 3 - column 4, line 35	2-12,15, 16, 18-21, 23,24,33
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Υ	EP 1 026 519 A (EUROP DES SATELLITES SOC) 9 August 2000 (2000-08-09) abstract; figures 2,3 column 8, line 34 - line 57 column 10, line 14 - line 43 column 11, line 11 - line 32	2-8,21, 23,24,33
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Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents:      A* document defining the general state of the art which is not considered to be of particular relevance      E* earlier document but published on or after the international filing date      L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)      O* document referring to an oral disclosure, use, exhibition or other means      P* document published prior to the international filing date but later than the priority date claimed	<ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"&amp;" document member of the same patent family</li> </ul>
Date of the actual completion of the international search  20 January 2005	Date of mailing of the international search report  27/01/2005
Name and malling address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL ~ 2280 HV Rijswijk  Tel. (+31~70) 340~2040, Tx. 31 651 epo ni,  Fax (+31-70) 340~3016	Authorized officer Niemeijer, R

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